North Carolina Department of Environment and Natural Resources
Division of Waste Management
UST Section
Dexter R. Matthews
Director

Pat McCrory
Governor

John E. Skvarla, III
Secretary

March 20, 2013

MEMORANDUM

TO: Charlotte Jesneck, Inactive Hazardous Sites Branch

FROM: Mark R. Powers, Raleigh Regional Office Supervisor
Mickey Roberts, Raleigh Regional Office Incident Manager

SUBJECT: Referral from UST Section Raleigh Regional Office
Pantry 385
3420 Wicker Street, Sanford
Lee County
Incident #26824

The following is a brief summary of the non-petroleum contamination found at the above referenced site.

The above referenced site is a retail fuel facility located at 3420 Wicker Street in Sanford, Lee County. During the latest groundwater monitoring event conducted in February 2013 concentrations of several non-petroleum contaminants were found in a groundwater samples collected at the site.

Please see the attached information for a site overview and contamination levels in the groundwater at the site. If you have questions or need additional information, please contact me at (919) 791-4200. Thank you for your assistance.

Attachment

cc: RRO UST Incident File

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 585 Waughtown Street, Winston-Salem, NC 27107 **(336) 771-5000**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

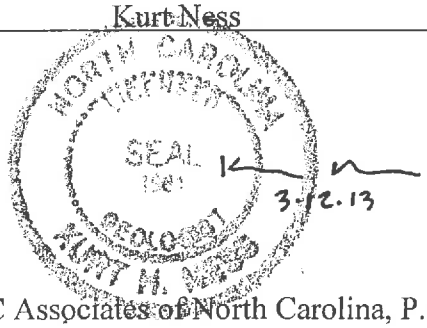
Date of Report: March 12, 2013

Facility I.D.: 0-014864 UST Incident Number (if known): 26824
Site Risk: High Site Rank: H190D Land Use Classification: Commercial/Residential
Site Name: Pantry 385
Site Location: 3420 Wicker Street
Nearest City/Town: Sanford County: Lee
Description of Geographical Data Point (eg, diesel fill port): Center of parcel
Location Method (GPS, Topographical map, other): Acme Mapper
Latitude (decimal degrees): 3547128N Longitude (decimal degrees): 79.21985W

UST Owner: The Pantry, Inc.
Address: PO Box 8019, Cary, NC 27512 Phone: (919) 774-6700
Property Owner: Jihad Rammouni
Address: 15 Traceway Street, Sanford, NC 27332
Phone: Unknown
Property Occupant: Westside Grocery
Address: 3420 Wicker Street, Sanford, NC 27330
Phone: (919) 777-0562
Consultant/Contractor: ATC Associates of North Carolina, P.C.
Address: 2725 E. Millbrook Road, Raleigh, NC 27604 Phone: 919-871-0999
Analytical Laboratory: Accutest Laboratories
Address: 500 Ambassador Caffery Parkway, Scott LA 70583
Phone: (337) 237-4775

Release Information
Date Discovered: March 30, 2005
Estimated Quantity of Release: Unknown
Cause of Release: Unknown
Source of Release (Piping/UST): Unknown
Sizes and contents of UST system(s) from which the release occurred:
Two 6,000-gallon gasoline USTs, one 10,000-gallon diesel UST, and associated dispensers

I, Kurt Ness a Professional Engineer/Geologist for ATC Associates of North Carolina, P.C., do certify that the information contained in this report is correct and accurate to the best of my knowledge.



ATC Associates of North Carolina, P.C. is licensed to practice geology/engineering (circle one or both) in North Carolina. The certification number of the company or corporation is C-1598.

1.0 INTRODUCTION

ATC Associates of North Carolina, P.C. (ATC) was retained by The Pantry, Inc. (Pantry) to monitor the groundwater quality at the project site located at 3420 Wicker Street in Sanford, Lee County, North Carolina. A USGS site topographic map depicting the site vicinity topographic features is included as ***Figure 1***. A site map depicting pertinent features is included as ***Figure 2***. This report documents the results of a groundwater monitoring event conducted on February 20 and 21, 2013.

2.0 SITE HISTORY

The former Pantry Store #385 (Facility ID No. 0-014864) is currently an active retail convenience store (Westside Grocery). The underground storage tank (UST) system formerly in use at the site was permanently removed in March 2005. The UST system removed from the site included two 6,000-gallon gasoline USTs, one 10,000-gallon diesel UST and associated dispensers and piping. The site is located at 3420 Wicker Street, Sanford, North Carolina. The site is located east of the intersection of Wicker Street (NC Highway 42) and Franklin Drive. The site consists of a single-story glass front store with an asphalt parking lot. A wooded area is located on the west side of the property and an agricultural field is located along the north and east side of the property. Wicker Street, followed by a residence is located south of the property. A site topography map is presented as ***Figure 1***, a site map is presented as ***Figure 2***, and a site vicinity map is presented as ***Figure 3***.

In March 2005, ATC performed an Underground Storage Tank Closure for the on-site UST system which included two 6,000-gallon gasoline USTs, one 10,000-gallon diesel UST and associated dispensers and piping. Analytical results from soil samples collected from the beneath the USTs, piping, and dispensers indicated concentrations of total petroleum hydrocarbon (TPH) as gasoline range organic (GRO) and diesel range organics (DRO) above the North Carolina Department of Environment and Natural Resources (NCDENR) Action Levels. Additionally, four sidewall closure samples were taken during UST closure activities an. Results of the analysis show benzene exceeded the Soil to Groundwater Maximum Soil Contaminant

Concentration (MSCC) in SW2 and SW4. The UST Closure Report was submitted to NCDENR on April 12, 2005.

Based on the UST Closure Report, ATC conducted a Phase I/II LSA investigation on March 25, 2005, and submitted a 24-Hour Release form to NCDENR on March 30, 2005. The Phase II Limited Site Assessment (LSA) report was submitted to NCDENR in May 2005. Soil and groundwater samples exceeded applicable NCDENR standards.

In December 2007, ATC conducted an updated receptor survey and collected groundwater measurements and samples from the onsite monitoring wells. In June 2008, ATC installed three additional monitoring wells (MW-5 through MW-7) at the site. In July 2008 ATC conducted a groundwater sampling event and slug tests. ATC submitted a CSA report on August 22, 2008.

In response to the comments described in the January 23, 2009 NCDENR correspondence to The Pantry, additional site investigations were conducted April through August 2009 and consisted of the installation of seven groundwater monitoring wells (MW-2A, MW-3A, MW-4A, and MW-8 through MW-11) and advancement of six additional soil borings (SB-7 through SB-12) in order to further delineate the groundwater and soil contaminant plume. ATC submitted a CSA Addendum report on September 29, 2009.

In response to the comments described in the December 17, 2009 NCDENR correspondence to The Pantry, additional site investigations were conducted February through March 2010 and consisted of the installation of four groundwater monitoring wells (MW-12 through MW-14) and a groundwater sampling event in order to further delineate the groundwater contaminant plume. The results of the investigation were presented in a second CSA Addendum report on April 16, 2010.

On June 21, 2010, a NORR was sent to Pantry requesting the preparation of a corrective action plan (CAP) and abandonment of both the onsite and the impacted Pardue irrigation well (PW-2) was necessary. ATC and NCDENR contacted the Pardues, who will not allow their well to be abandoned at this time. As an interim measure, a Pre-CAP groundwater monitoring event was conducted to monitor the stability of the contaminant plume and is summarized in this report.

ATC submitted a CAP on September 28, 2011, utilizing air sparge and vapor extraction (AS/VE) system for the onsite portion of the contaminant plume. The Pardue residence is vacant, therefore irrigation PW-2 is not in use at this time. This report summarizes a groundwater sampling event at the site conducted in February 2013.

3.0 GROUNDWATER MONITORING

3.1 Groundwater Elevations

On February 20 and 21, 2013, static water level measurements were collected from monitoring wells MW-1, MW-1D, MW-2A, MW-3A, MW-4A, MW-5, MW-7 through MW-12, MW-14, and MW-15. Monitoring wells MW-2, MW-3, MW-4, and MW-6 were dry, and monitoring well MW-13 could not be located. The groundwater monitoring well locations are indicated on ***Figure 2***. Monitoring well construction information is included in ***Table 3***. An oil/water interface probe was used to measure the depth to groundwater and/or product from the top of each well casing. The groundwater depths were converted to relative elevations using an assumed datum of 100 feet relative to an arbitrary on-site benchmark. Relevant field methods are summarized in ***Appendix A***.

Groundwater elevations collected during the February 2013 sampling event are presented in ***Table 3*** and a historical summary of groundwater elevations is included in ***Table 4***. A groundwater elevation contour map, based on the February 2013 static water level data, is included as ***Figure 4***. Based on the recent groundwater level measurements, groundwater flows to the south across the site. The groundwater flow direction is consistent with the data collected during prior investigations.

3.2 Free Product

An oil/water interface probe was used to check for the presence of non-aqueous phase petroleum product (free product) in the monitoring wells. Free product was not detected during the February 2013 sampling event and has not been detected historically.

3.3 Monitoring Well Sampling

Groundwater samples were collected from monitoring wells MW-1, MW-1D, MW-2A, MW-3A, MW-4A, MW-5, MW-7 through MW-12, MW-14, and MW-15. Monitoring wells MW-2, MW-3,

MW-4, and MW-6 were dry, MW-13 was unable to be located, and was therefore not sampled. Groundwater samples were obtained for laboratory analysis in accordance with the protocols summarized in ***Appendix A***. The groundwater samples were placed into laboratory supplied containers and shipped to Accutest Laboratories (Accutest) in Scott, Louisiana. Groundwater samples were analyzed for purgeable halocarbons and aromatics by EPA Method 6200B and carbon fraction classes by MADEP VPH Methods. A summary of the groundwater analytical results for the February 2013 sampling event is included in ***Table 5***. A historical summary of groundwater analytical data is included in ***Table 6***. Additionally, groundwater samples were tested for natural attenuation parameters including sulfate by EPA Method 300.0, nitrate-nitrite by EPA Method 4500-NO3, ferrous iron by EPA Method 3500-Fe-E, and for pH, temperature, conductivity, dissolved oxygen, and redox potential using field monitoring equipment. ***Table 7*** summarizes natural attenuation data. A copy of the laboratory analytical reports and chain-of-custody form are included as ***Appendix B***. Isoconcentration maps for dissolved benzene, MTBE, and naphthalene are included as ***Figure 5*** through ***Figure 7***, respectively.

3.4 Water Supply Well Sampling

Water samples were collected on February 21, 2013, from potable wells PW-3 and PW-4. Potable well PW-2 was not accessible at the time of sampling. The samples were collected and shipped via overnight courier to Accutest in Scott, Louisiana for analysis of purgeable halocarbons and aromatics, and naphthalene by EPA Method 6200B. The current and historic analytical results of the potable well samples are presented in ***Tables 5*** and ***8***, respectively. A copy of the laboratory analytical report and chain-of-custody form is included in ***Appendix B***.

3.5 Surface Water Sampling

Surface water sampling locations SW-1, SW-2, and SW-3 were dry during the February 2013 sampling event. Historic analytical results of the surface water samples are presented in ***Table 9***, respectively.

4.0 CONCLUSIONS

ATC has completed the groundwater monitoring event at the former Pantry 385 site in Sanford, North Carolina. Based upon the laboratory analytical results from the February 2013 groundwater sampling event, the following conclusions are made:

- The present risk classification for the site is "high" due to 30 potable water wells located within 1,500 feet of the release source area.
- Monitoring wells MW-1, MW-2A, MW-3A, MW-5, MW-8, and MW-10 contained contaminants of concern at concentrations above NC 2L Standards.

Based upon the data presented in this and prior reports, the contaminant plume appears to be stable. ATC recommends implementation of the aforementioned CAP.

TABLE 5

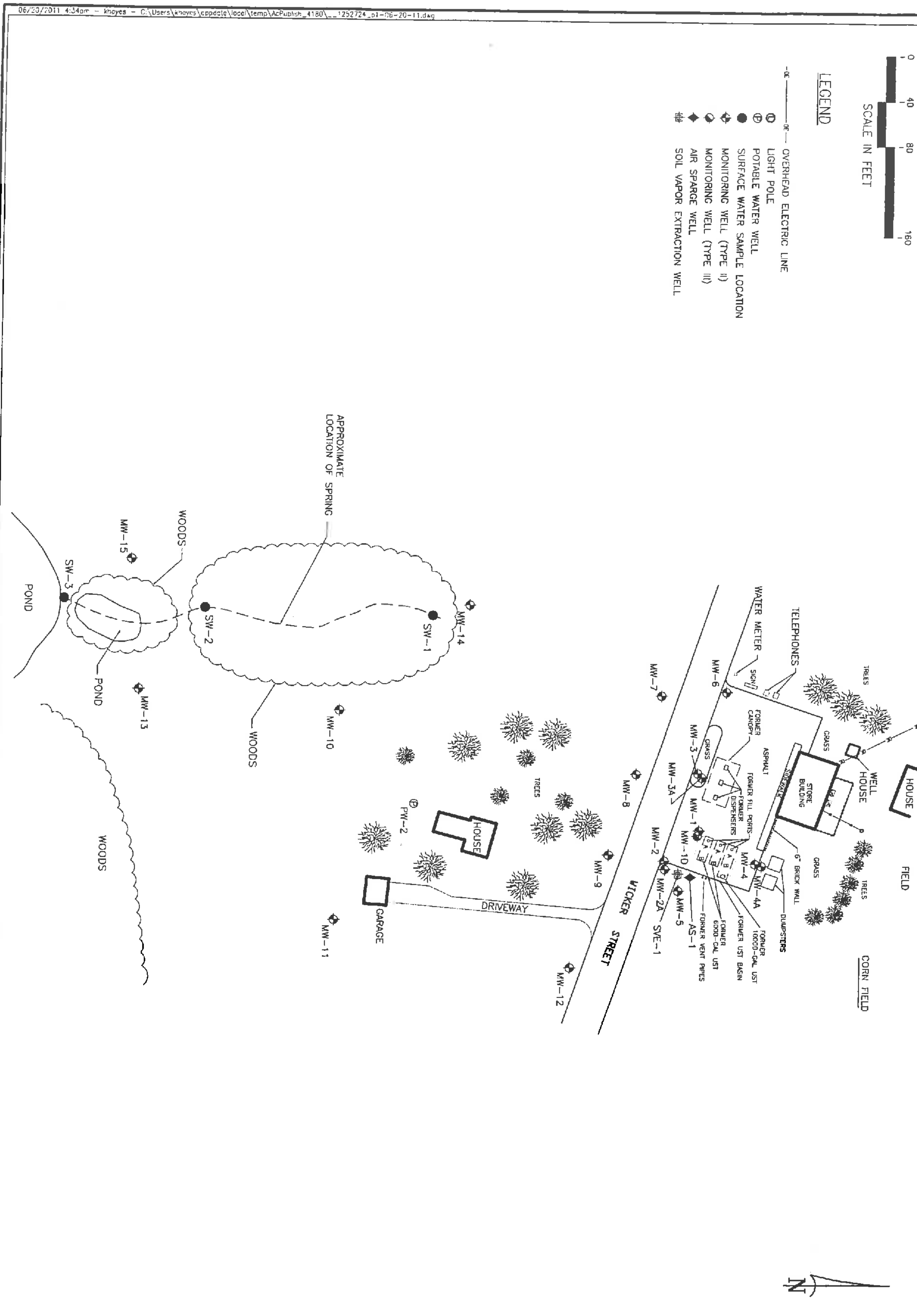
GROUNDWATER ANALYTICAL RESULTS

PANTRY #385
3420 WICKERSTREET
SANFORD, LEE COUNTY, NORTH CAROLINA
INCIDENT NUMBER: 26824
ATC PROJECT NUMBER: 45.24639.0385

Monitoring Well	Date Sampled	Incident Phase	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichloroethane	1,4-Dichlorobenzene	cis-1,2-Dichloroethene	Carbon tetrachloride	Chloroform	Isopropyl ether	Isopropylbenzene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Tetrachloroethene	Trichloroethene	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
MW-1	2/21/2013	Pre-CAP	**850**	32	96	310	**20**	**22**	180	37	**8.7**	<2.5	<0.5	<0.5	<0.5	5.2	19	8.2	26	<0.5	<1	0.63	**3,000**	**1,500**	**1,200**
MW-1D	2/21/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	<0.2	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<30	<40	<10
MW-2	2/21/2013	Pre-CAP	Not Sampled - Dry																						
MW-2A	2/21/2013	Pre-CAP	**160**	35	100	**920**	**180**	**220**	**1,300**	380	<2	<5	2.7	<1	<1	1.8	**85**	<1	**200**	42	20	2.6	**25,000**	**38,000**	**24,000**
MW-3	2/21/2013	Pre-CAP	Not Sampled - Dry																						
MW-3A	2/21/2013	Pre-CAP	**140**	3.8	38	53.1	**310**	**320**	98	43	<0.2	<0.5	<0.1	<0.1	<0.1	3.7	39	18	**48**	<0.1	<0.2	<0.1	**2,000**	**1,500**	**1,300**
MW-4	2/21/2013	Pre-CAP	Not Sampled - Dry																						
MW-4A	2/21/2013	Pre-CAP	0.19	<0.2	<0.1	<0.6	<0.2	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	47	<40	<10
MW-5	2/21/2013	Pre-CAP	**65**	9.6	1.7	39	6.9	0.8	6.4	2.3	<0.2	0.86	<0.1	**0.38**	<0.1	<0.1	1.8	0.78	1	<0.1	0.67	0.12	**2,700**	290	**490**
MW-6	2/21/2013	Pre-CAP	Not Sampled - Dry																						
MW-7	2/20/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	<0.2	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<30	<40	<10
MW-8	2/20/2013	Pre-CAP	**270**	16	2.7	14.5	**27**	**29**	3	1.5	**3.7**	<0.5	<0.1	<0.1	<0.1	2.4	7.5	0.67	1	1.9	<0.2	<0.1	**880**	190	130
MW-9	2/20/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	4.6	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<30	<40	<10
MW-10	2/20/2013	Pre-CAP	**140**	37	17	27	**32**	**8.4**	19	<0.1	1.4	<0.5	<0.1	<0.1	<0.1	1	6.8	<0.1	4.8	3.8	<0.2	<0.1	**1,700**	320	**200**
MW-11	2/20/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	0.23	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	NA	NA	NA
MW-12	2/20/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	2	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	0.63	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<30	<40	<10
MW-13	2/20/2013	Pre-CAP	Not Sampled - Unable to Locate																						
MW-14	2/20/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	<0.2	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	0.21	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<30	<40	<10
MW-15	2/20/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	<0.2	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	0.12	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<30	<40	<10
PW-3	2/21/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	<0.2	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	0.13	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	NA	NA	NA
PW-4	2/21/2013	Pre-CAP	<0.1	<0.2	<0.1	<0.6	<0.2	<0.5	<0.1	<0.1	<0.2	<0.5	<0.1	<0.1	0.7	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	NA	NA	NA
2L Standard (ug/L)			**1**	**600**	**600**	**500**	**20**	**6**	**400**	**400**	**0.4**	**6**	**70**	**0.3**	**70**	**70**	**70**	**70**	**70**	**70**	**0.7**	**3**	**400**	**700**	**200**
GCL (ug/L)			**5,000**	**260,000**	**84,500**	**85,500**	**20,000**	**6,000**	**28,500**	**25,000**	**400**	**6,000**	**70,000**	**NE**	**70,000**	**70,000**	**25,000**	**6,900**	**30,000**	**8,500**	**700**	**3,000**	**NE**	**NE**	**NE**

Notes:

1. "<" or ND = Not detected at or above the laboratory detection limit.
2. Concentrations are reported in micrograms per liter (µg/l) = parts per billion.
3. Concentrations in bold print equal or exceed the NCDENR 2L Standard (2L).
4. NCDENR = North Carolina Department of Environment and Natural Resources.
5. GCL = Gross Contaminantion Level.
6. NE = Not Established.
7. BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes.
8. MTBE = Methyl Tertiary Butyl Ether.
9. Grass Contamination Levels for Groundwater are referenced in the "Groundwater Section Guidelines for the Investigation and Remediation of Soil and Groundwater", updated October 1, 2012.
10. NA = Not Analyzed.
11. B = Analyte detected in the associated Method Blank.



NOTES:

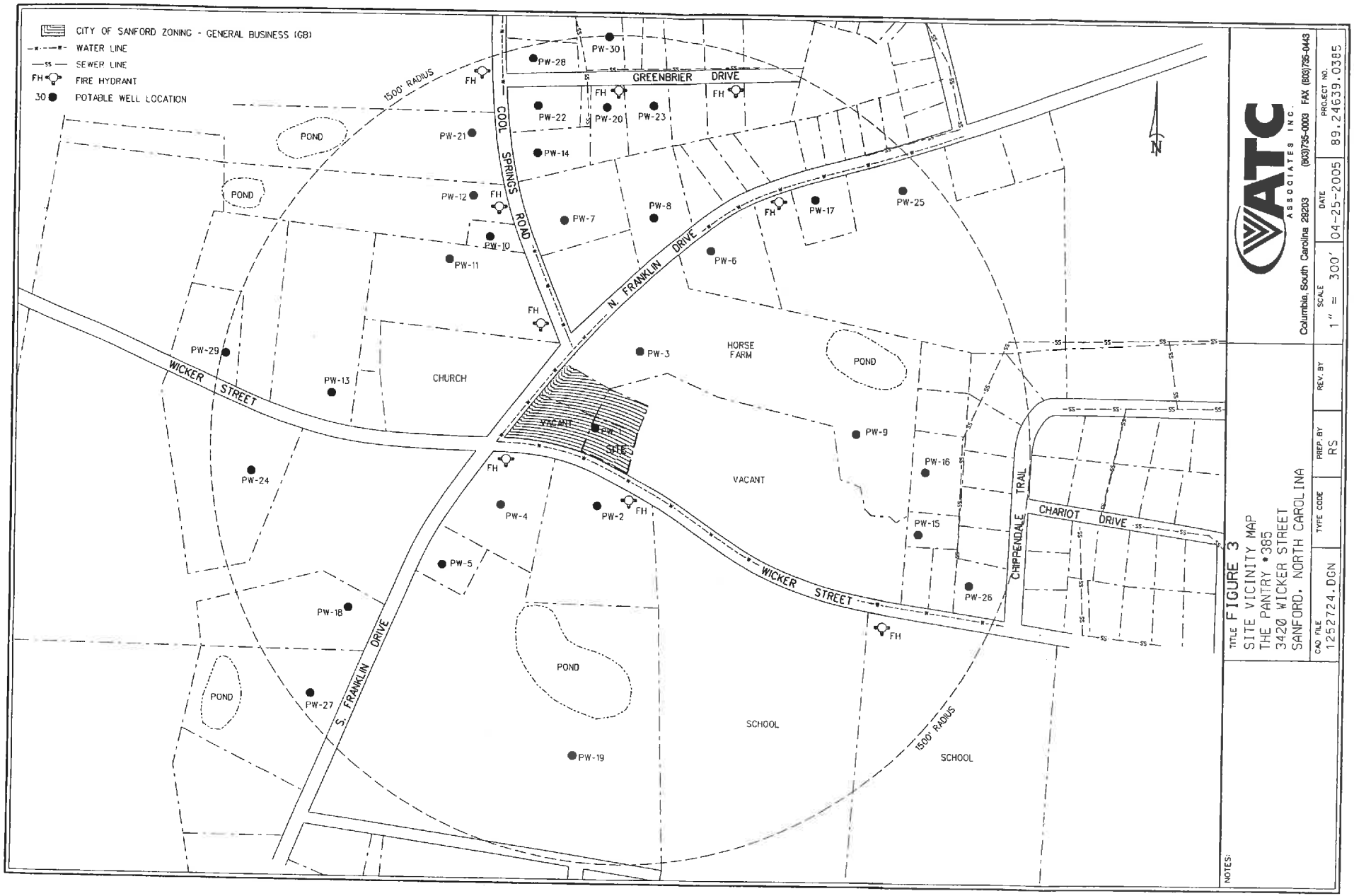
TITLE **FIGURE 2**

SITE MAP
THE PANTRY #385
3420 WICKER STREET
SANFORD, NORTH CAROLINA

ATC ASSOCIATES INC.

Raleigh, North Carolina 27604 (919) 871-0999 FAX (919) 871-0335

CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252724.DWG		NS	KN	1" = 80'	06-20-2011	45.24639.0385


CITY OF SANFORD ZONING - GENERAL BUSINESS (GB)
WATER LINE
SEWER LINE
FIRE HYDRANT
POTABLE WELL LOCATION
1500' RADIUS
GREENBRIER DRIVE
COOL SPRINGS ROAD
N. FRANKLIN DRIVE
WICKER STREET
S. FRANKLIN DRIVE
CHIPPENDALE TRAIL
CHARIOT DRIVE
POND
CHURCH
HORSE FARM
VACANT
SITE
SCHOOL
PW-1
PW-2
PW-3
PW-4
PW-5
PW-6
PW-7
PW-8
PW-9
PW-10
PW-11
PW-12
PW-13
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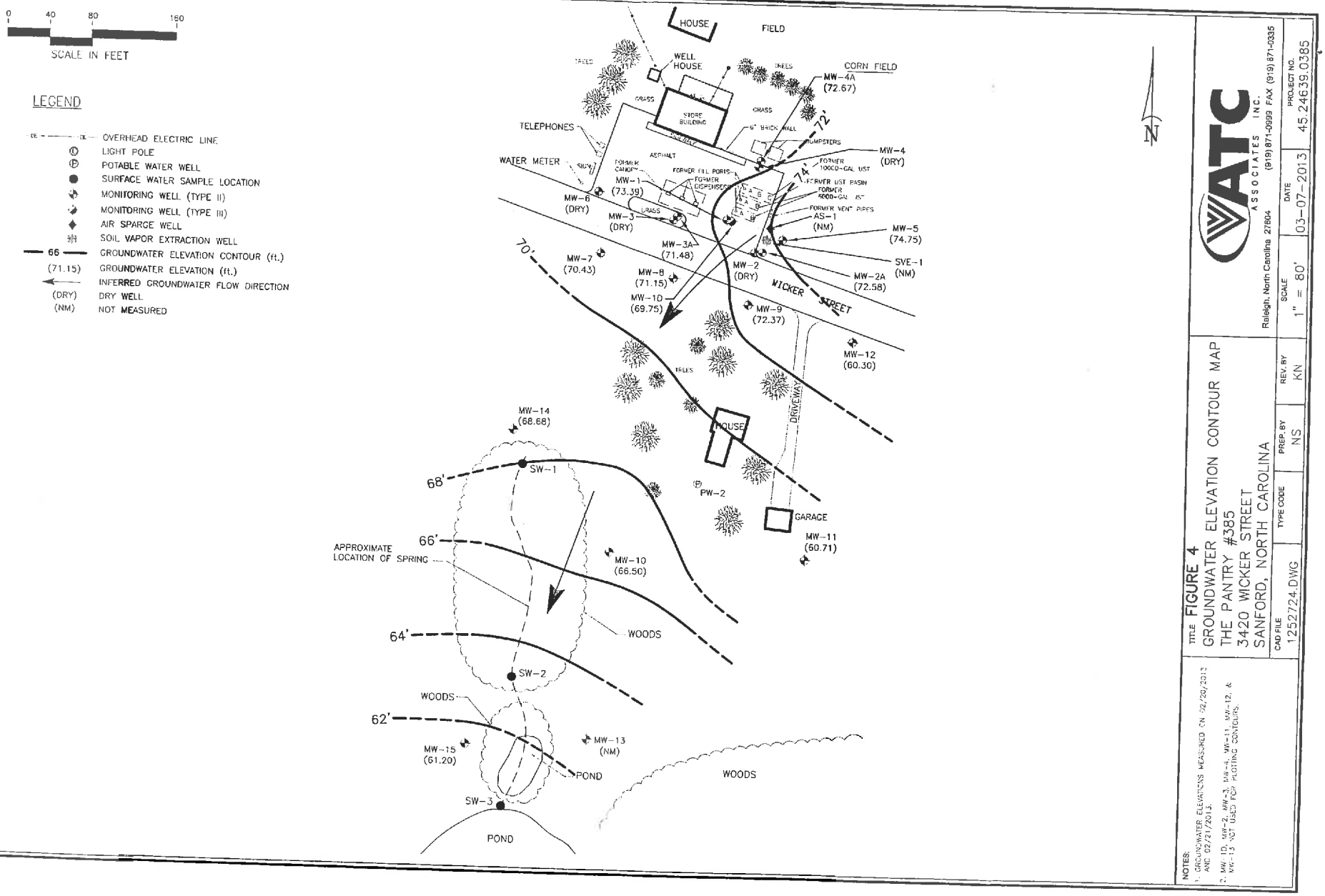
PW-29
PW-30
FH
N
VATC ASSOCIATES INC.
Columbia, South Carolina 29203 (803)735-0003 FAX (803)735-0443
SCALE 1" = 300'
DATE 04-25-2005
PROJECT NO. 89.24639.0385
PREP. BY RS
REV. BY
TYPE CODE
CAD FILE 1252724.DGN
TITLE FIGURE 3
SITE VICINITY MAP
THE PANTRY #385
3420 WICKER STREET
SANFORD, NORTH CAROLINA
NOTES:



NOTES:
1. GROUNDWATER ELEVATIONS MEASURED ON 02/20/2013 AND 02/21/2013.
2. MW-10, MW-2, MW-3, MW-4, MW-11, MW-12, & MW-13 NOT USED FOR PLOTTING CONTOURS.

TITLE **FIGURE 4**
GROUNDWATER ELEVATION CONTOUR MAP
THE PANTRY #385
3420 WICKER STREET
SANFORD, NORTH CAROLINA

CAD FILE	TYPE CODE	PREP. BY	REV. BY
1252724.DWG		NS	KN

SCALE	DATE	PROJECT NO.
1" = 80'	03-07-2013	45.24639.0385

ATC ASSOCIATES INC.
Raleigh, North Carolina 27604
(919) 871-0999 FAX (919) 871-0335

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: MW-2A **Collected:** 02/21/2013 12:00 **Lab Sample ID:** L0026244-03

Site: PANTRY #385

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY GCMS: SM6200 B			**MCL**	**SM6200 B**	**Units: ug/L**		
1,1,1,2-Tetrachloroethane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,1,1-Trichloroethane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,1,2,2-Tetrachloroethane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,1,2-Trichloroethane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,1-Dichloroethane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,1-Dichloroethene	ND		1	10	02/28/13 17:28	RPJ	4925013
1,1-Dichloropropene	ND		1	10	02/28/13 17:28	RPJ	4925013
1,2,3-Trichlorobenzene	ND		5	10	02/28/13 17:28	RPJ	4925013
1,2,3-Trichloropropane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,2,4-Trichlorobenzene	ND		5	10	02/28/13 17:28	RPJ	4925013
1,2,4-Trimethylbenzene	1300		1	10	02/28/13 17:28	RPJ	4925013
1,2-Dibromo-3-chloropropane	ND		10	10	02/28/13 17:28	RPJ	4925013
1,2-Dibromoethane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,2-Dichlorobenzene	ND		3	10	02/28/13 17:28	RPJ	4925013
1,2-Dichloroethane	ND		2	10	02/28/13 17:28	RPJ	4925013
1,2-Dichloropropane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,3,5-Trimethylbenzene	380		1	10	02/28/13 17:28	RPJ	4925013
1,3-Dichlorobenzene	ND		3	10	02/28/13 17:28	RPJ	4925013
1,3-Dichloropropane	ND		1	10	02/28/13 17:28	RPJ	4925013
1,4-Dichlorobenzene	ND		5	10	02/28/13 17:28	RPJ	4925013
2,2-Dichloropropane	ND		1	10	02/28/13 17:28	RPJ	4925013
2-Butanone	ND		120	10	02/28/13 17:28	RPJ	4925013
2-Chlorotoluene	ND		2	10	02/28/13 17:28	RPJ	4925013
2-Hexanone	ND		25	10	02/28/13 17:28	RPJ	4925013
4-Chlorotoluene	ND		1	10	02/28/13 17:28	RPJ	4925013
4-Methyl-2-pentanone	ND		25	10	02/28/13 17:28	RPJ	4925013
Acetone	ND		100	10	02/28/13 17:28	RPJ	4925013
Benzene	160		1	10	02/28/13 17:28	RPJ	4925013
Bromobenzene	ND		1	10	02/28/13 17:28	RPJ	4925013
Bromochloromethane	ND		1	10	02/28/13 17:28	RPJ	4925013
Bromodichloromethane	ND		1	10	02/28/13 17:28	RPJ	4925013
Bromoform	ND		1	10	02/28/13 17:28	RPJ	4925013
Bromomethane	ND		2	10	02/28/13 17:28	RPJ	4925013
Carbon tetrachloride	ND		1	10	02/28/13 17:28	RPJ	4925013
Chlorobenzene	ND		1	10	02/28/13 17:28	RPJ	4925013
Chloroethane	ND		2	10	02/28/13 17:28	RPJ	4925013

Qualifiers:

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J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: MW-2A **Collected:** 02/21/2013 12:00 **Lab Sample ID:** L0026244-03

Site: PANTRY #385

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY GCMS: SM6200 B			**MCL**	**SM6200 B**	**Units: ug/L**		
Chloroform	ND		1	10	02/28/13 17:28	RPJ	4925013
Chloromethane	ND		2	10	02/28/13 17:28	RPJ	4925013
cis-1,2-Dichloroethene	2.7		1	10	02/28/13 17:28	RPJ	4925013
cis-1,3-Dichloropropene	ND		2	10	02/28/13 17:28	RPJ	4925013
Dibromochloromethane	ND		1	10	02/28/13 17:28	RPJ	4925013
Dibromomethane	ND		1	10	02/28/13 17:28	RPJ	4925013
Dichlorodifluoromethane	ND		1	10	02/28/13 17:28	RPJ	4925013
Ethanol	ND		500	10	02/28/13 17:28	RPJ	4925013
Ethylbenzene	100		1	10	02/28/13 17:28	RPJ	4925013
Hexachlorobutadiene	ND		2	10	02/28/13 17:28	RPJ	4925013
Isopropyl ether	1.8		1	10	02/28/13 17:28	RPJ	4925013
Isopropylbenzene	85		2	10	02/28/13 17:28	RPJ	4925013
Methyl tert-butyl ether	180		2	10	02/28/13 17:28	RPJ	4925013
Methylene chloride	ND		2	10	02/28/13 17:28	RPJ	4925013
Naphthalene	220		5	10	02/28/13 17:28	RPJ	4925013
n-Butylbenzene	ND		1	10	02/28/13 17:28	RPJ	4925013
n-Propylbenzene	200		1	10	02/28/13 17:28	RPJ	4925013
p-Isopropyltoluene	ND		1	10	02/28/13 17:28	RPJ	4925013
sec-Butylbenzene	42		1	10	02/28/13 17:28	RPJ	4925013
Styrene	ND		1	10	02/28/13 17:28	RPJ	4925013
tert-Butylbenzene	ND		1	10	02/28/13 17:28	RPJ	4925013
Tetrachloroethene	20		2	10	02/28/13 17:28	RPJ	4925013
Toluene	35		2	10	02/28/13 17:28	RPJ	4925013
trans-1,2-Dichloroethene	ND		1	10	02/28/13 17:28	RPJ	4925013
trans-1,3-Dichloropropene	ND		2	10	02/28/13 17:28	RPJ	4925013
Trichloroethene	2.6		1	10	02/28/13 17:28	RPJ	4925013
Trichlorofluoromethane	ND		1	10	02/28/13 17:28	RPJ	4925013
Vinyl acetate	ND		2	10	02/28/13 17:28	RPJ	4925013
Vinyl chloride	ND		1	10	02/28/13 17:28	RPJ	4925013
m & p-Xylene	520		4	10	02/28/13 17:28	RPJ	4925013
o-Xylene	400		2	10	02/28/13 17:28	RPJ	4925013
Xylene, Total	920		6	10	02/28/13 17:28	RPJ	4925013
Surr: 1,2-Dichloroethane-d4	100	%	70-130	10	02/28/13 17:28	RPJ	4925013
Surr: 4-Bromofluorobenzene	101	%	70-130	10	02/28/13 17:28	RPJ	4925013
Surr: Toluene-d8	97.6	%	70-130	10	02/28/13 17:28	RPJ	4925013

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TNTC - Too numerous to count
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: MW-2A **Collected:** 02/21/2013 12:00 **Lab Sample ID:** L0026244-03

Site: PANTRY #385

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)			**MCL**	**MA_VPH_EPH**	**Units: ug/L**		
C5-C8 Aliphatics	25000		1500	50	02/27/13 22:52	RVS	4922406
C9-C10 Aromatics	24000		500	50	02/27/13 22:52	RVS	4922375
C9-C12 Aliphatics	38000		2000	50	02/27/13 22:52	RVS	4922406
Surr: 2,5-Dibromotoluene	122		% 70-130	50	02/27/13 22:52	RVS	4922406
Surr: 2,5-Dibromotoluene	103		% 70-130	50	02/27/13 22:52	RVS	4922375

Qualifiers:

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J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

3/4/2013 2:40:38 PM

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: MW-5 **Collected:** 02/21/2013 11:30 **Lab Sample ID:** L0026244-06

Site: PANTRY #385

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY GCMS: SM6200 B			**MCL**	**SM6200 B**	**Units: ug/L**		
1,1,1,2-Tetrachloroethane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,1,1-Trichloroethane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,1,2,2-Tetrachloroethane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,1,2-Trichloroethane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,1-Dichloroethane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,1-Dichloroethene	ND		0.1	1	02/26/13 16:56	DN	4921639
1,1-Dichloropropene	ND		0.1	1	02/26/13 16:56	DN	4921639
1,2,3-Trichlorobenzene	ND		0.5	1	02/26/13 16:56	DN	4921639
1,2,3-Trichloropropane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,2,4-Trichlorobenzene	ND		0.5	1	02/26/13 16:56	DN	4921639
1,2,4-Trimethylbenzene	6.4		0.1	1	02/26/13 16:56	DN	4921639
1,2-Dibromo-3-chloropropane	ND		1	1	02/26/13 16:56	DN	4921639
1,2-Dibromoethane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,2-Dichlorobenzene	ND		0.3	1	02/26/13 16:56	DN	4921639
1,2-Dichloroethane	ND		0.2	1	02/26/13 16:56	DN	4921639
1,2-Dichloropropane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,3,5-Trimethylbenzene	2.3		0.1	1	02/26/13 16:56	DN	4921639
1,3-Dichlorobenzene	ND		0.3	1	02/26/13 16:56	DN	4921639
1,3-Dichloropropane	ND		0.1	1	02/26/13 16:56	DN	4921639
1,4-Dichlorobenzene	0.86		0.5	1	02/26/13 16:56	DN	4921639
2,2-Dichloropropane	ND		0.1	1	02/26/13 16:56	DN	4921639
2-Butanone	ND		12	1	02/26/13 16:56	DN	4921639
2-Chlorotoluene	ND		0.2	1	02/26/13 16:56	DN	4921639
2-Hexanone	ND		2.5	1	02/26/13 16:56	DN	4921639
4-Chlorotoluene	ND		0.1	1	02/26/13 16:56	DN	4921639
4-Methyl-2-pentanone	ND		2.5	1	02/26/13 16:56	DN	4921639
Acetone	ND		10	1	02/26/13 16:56	DN	4921639
Benzene	65		0.1	1	02/26/13 16:56	DN	4921639
Bromobenzene	ND		0.1	1	02/26/13 16:56	DN	4921639
Bromochloromethane	ND		0.1	1	02/26/13 16:56	DN	4921639
Bromodichloromethane	ND		0.1	1	02/26/13 16:56	DN	4921639
Bromoform	ND		0.1	1	02/26/13 16:56	DN	4921639
Bromomethane	ND		0.2	1	02/26/13 16:56	DN	4921639
Carbon tetrachloride	0.38		0.1	1	02/26/13 16:56	DN	4921639
Chlorobenzene	ND		0.1	1	02/26/13 16:56	DN	4921639
Chloroethane	ND		0.2	1	02/26/13 16:56	DN	4921639

Qualifiers:
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J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: MW-5 **Collected:** 02/21/2013 11:30 **Lab Sample ID:** L0026244-06

Site: PANTRY #385

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY GCMS: SM6200 B			**MCL**	**SM6200 B**	**Units: ug/L**		
Chloroform	ND		0.1	1	02/26/13 16:56	DN	4921639
Chloromethane	ND		0.2	1	02/26/13 16:56	DN	4921639
cis-1,2-Dichloroethene	ND		0.1	1	02/26/13 16:56	DN	4921639
cis-1,3-Dichloropropene	ND		0.2	1	02/26/13 16:56	DN	4921639
Dibromochloromethane	ND		0.1	1	02/26/13 16:56	DN	4921639
Dibromomethane	ND		0.1	1	02/26/13 16:56	DN	4921639
Dichlorodifluoromethane	ND		0.1	1	02/26/13 16:56	DN	4921639
Ethanol	ND		50	1	02/26/13 16:56	DN	4921639
Ethylbenzene	1.7		0.1	1	02/26/13 16:56	DN	4921639
Hexachlorobutadiene	ND		0.2	1	02/26/13 16:56	DN	4921639
Isopropyl ether	ND		0.1	1	02/26/13 16:56	DN	4921639
Isopropylbenzene	1.8		0.2	1	02/26/13 16:56	DN	4921639
Methyl tert-butyl ether	6.9		0.2	1	02/26/13 16:56	DN	4921639
Methylene chloride	ND		0.2	1	02/26/13 16:56	DN	4921639
Naphthalene	0.8		0.5	1	02/26/13 16:56	DN	4921639
n-Butylbenzene	0.78		0.1	1	02/26/13 16:56	DN	4921639
n-Propylbenzene	1		0.1	1	02/26/13 16:56	DN	4921639
p-Isopropyltoluene	ND		0.1	1	02/26/13 16:56	DN	4921639
sec-Butylbenzene	ND		0.1	1	02/26/13 16:56	DN	4921639
Styrene	ND		0.1	1	02/26/13 16:56	DN	4921639
tert-Butylbenzene	ND		0.1	1	02/26/13 16:56	DN	4921639
Tetrachloroethene	0.67		0.2	1	02/26/13 16:56	DN	4921639
Toluene	9.6		0.2	1	02/26/13 16:56	DN	4921639
trans-1,2-Dichloroethene	ND		0.1	1	02/26/13 16:56	DN	4921639
trans-1,3-Dichloropropene	ND		0.2	1	02/26/13 16:56	DN	4921639
Trichloroethene	0.12		0.1	1	02/26/13 16:56	DN	4921639
Trichlorofluoromethane	ND		0.1	1	02/26/13 16:56	DN	4921639
Vinyl acetate	ND		0.2	1	02/26/13 16:56	DN	4921639
Vinyl chloride	ND		0.1	1	02/26/13 16:56	DN	4921639
m & p-Xylene	20		0.4	1	02/26/13 16:56	DN	4921639
o-Xylene	19		0.2	1	02/26/13 16:56	DN	4921639
Xylene, Total	39		0.6	1	02/26/13 16:56	DN	4921639
Surr: 1,2-Dichloroethane-d4	93.3	%	70-130	1	02/26/13 16:56	DN	4921639
Surr: 4-Bromofluorobenzene	97.8	%	70-130	1	02/26/13 16:56	DN	4921639
Surr: Toluene-d8	104	%	70-130	1	02/26/13 16:56	DN	4921639

Qualifiers:

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ACCUTEST LABORATORIES

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: MW-5 **Collected:** 02/21/2013 11:30 **Lab Sample ID:** L0026244-06

Site: PANTRY #385

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)				**MCL**	**MA_VPH_EPH**	**Units: ug/L**		
C5-C8 Aliphatics	2700			150	5	02/26/13 15:22	RVS	4921538
C9-C10 Aromatics	490			50	5	02/26/13 15:22	RVS	4921522
C9-C12 Aliphatics	290			200	5	02/26/13 15:22	RVS	4921538
Surr: 2,5-Dibromotoluene	88.2		%	70-130	5	02/26/13 15:22	RVS	4921538
Surr: 2,5-Dibromotoluene	75.3		%	70-130	5	02/26/13 15:22	RVS	4921522

Qualifiers:
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TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

3/4/2013 2:41:13 PM